

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A battery control circuit comprising:

a battery voltage detecting section for detecting a voltage of a battery
a resistor and a switching element connected in series being connected to said battery in parallel; and

a battery controlling section for acquiring information relating to a change between the voltage of said battery detected by said battery voltage detecting section when said switching element is ON and the voltage of said battery detected by said battery voltage detecting section when said switching element is OFF by turning on said switching element to allow a current of said battery to flow through said resistor and by turning off said switching element[.]; and

a voltage recovery time measurement section for measuring a time period from a time when said switching element is turned off to a time when the voltage of the battery detected by said battery voltage detecting section recovers to a predetermined voltage value,

wherein said battery controlling section determines a residual capacity of said battery based on the information relating to the change in the voltage of said battery, and

wherein the information relating to the change is said time period measured by said voltage recovery time measurement section.

Claim 2 (Previously presented): The battery control circuit according to claim 1,

wherein said battery voltage detecting section comprises first and second voltage-dividing resistors connected in series, and

said first and second voltage-dividing resistors are connected to said resistor and said switching element in parallel, and a voltage at a connection point between said first and said second voltage-dividing resistors is detected as the voltage of said battery.

Claim 3 (Previously presented): The battery control circuit according to claim 1,

wherein the information relating to the change is a change amount between the voltage of said battery detected by said battery voltage detecting section when said switching element is OFF and the voltage of said battery detected by said battery voltage detecting section when said switching element is ON.

Claim 4 (Canceled):

Claim 5 (Previously presented): The battery control circuit according to claim 1, further comprising:

a storing section for storing characteristics information of relation between the information relating to the change and said residual capacity of said battery,

wherein said battery controlling section refers to said characteristic information in said storing section to determine the residual capacity of said battery based on the information relating to the change.

Claim 6 (Previously presented): The battery control circuit according to claim 2,

wherein the information relating to the change is a change amount of between the voltage of said battery detected by said battery voltage detecting section when said switching element is OFF and the voltage of said battery detected by said battery voltage detecting section when said switching element is ON.

Claim 7 (Canceled):

Claim 8 (Previously presented): The battery control circuit according to claim 2, further comprising:

a storing section for storing characteristic information of relation between the information relating to the change and said residual capacity of said battery,

wherein said battery controlling section refers to said characteristic information in said storing section to determine the residual capacity of said battery based on the information relating to the change.

Claim 9 (Canceled):

Claim 10 (Previously presented): The battery control circuit according to claim 3, further comprising:

a storing section for storing characteristic information of relation between the change amount and said residual capacity of said battery,

wherein said battery controlling section refers to said characteristic information in said storing section to determine the residual capacity of said battery based on the information relating to the change.

Claims 11-12 (Canceled):

Claim 13 (Previously presented): The battery control circuit according to claim 6, further comprising:

a storing section for storing characteristic information of relation between the information relating to the change and said residual capacity of said battery,

wherein said battery controlling section refers to said characteristic information in said storing section to determine the residual capacity of said battery based on the information relating to the change.

Claim 14 (Canceled):

Claim 15 (Currently amended): An electronic device comprising:

the battery control circuit according to any one of claims 1, 2, 3, 5, 6, 8, 10 and 13 ~~to 14~~,
wherein operating power is supplied from said battery.

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Claim 16 (Previously presented): The electronic device according to claim 15,
wherein said resistor is an actually operating load of the electronic device.